# 70-534 Architecting Azure Solutions Exam Preparation

**Q: Do I need to do all the labs?**  
**A:** No, but if you do the labs, you strongly increase your likelihood of passing the exam!

## #1 [Design Azure Resource Manager (ARM) networking (5–10%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

* **Design Azure virtual networks - Extend on-premises**
* **Describe Azure VPN and Express Route architecture and design**

## #2 [Secure resources (20–25%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

* **Secure resources by using managed identities**
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* **Secure resources by using identity providers**
* **Identify an appropriate data security solution**
* **Design a role-based access control (RBAC) strategy**
* **Manage security risks by using an appropriate security solution**

## #3 [Design an application storage and data access strategy (5–10%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

* **Design data storage**
* **Select the appropriate storage option**

## #4 [Design advanced applications (20–25%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

## #5 [Design Azure Web and Mobile Apps (5–10%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

* **Design Web Applications**
* **Design Mobile Applications**

## #6 [Design a management, monitoring, and business continuity strategy (20–25%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

* **Replicate Hyper-V virtual machines (without VMM) to Azure using Azure Site Recovery with the Azure portal** <https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-hyper-v-site-to-azure>
* **Replicate physical machines to Azure by using Site Recovery** <https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-physical-servers-to-azure>
* **My first graphical runbook** <https://docs.microsoft.com/en-us/azure/automation/automation-first-runbook-graphical>
* **My first PowerShell runbook** <https://docs.microsoft.com/en-us/azure/automation/automation-first-runbook-textual-powershell>
* **My first PowerShell Workflow runbook** <https://docs.microsoft.com/en-us/azure/automation/automation-first-runbook-textual>
* **Getting Started with Azure Automation DSC  
  Desired State Configuration (DSC)** <https://docs.microsoft.com/en-us/azure/automation/automation-dsc-getting-started>
* **How Azure Backup Works in 10 mins** <https://docs.microsoft.com/en-us/azure/backup/backup-try-azure-backup-in-10-mins>
* **Microsoft Azure Backup Server v2** *Docs:* <https://azure.microsoft.com/en-us/blog/announcing-microsoft-azure-backup-server/> *Download:* <https://www.microsoft.com/en-us/download/details.aspx?id=55269>
* **AzureRM.RecoveryServices.Backup (PowerShell)** <https://docs.microsoft.com/en-us/azure/backup/backup-azure-vms-automation>

## #7 [Architect an Azure Compute infrastructure (10–15%)](https://www.microsoft.com/en-us/learning/exam-70-534.aspx)

* **Design ARM Virtual Machines (VMs)**
* **Design ARM template deployment**
* **Design for availability**
* **+ Bonus: Containers**